

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/AU2004/000815

**A. CLASSIFICATION OF SUBJECT MATTER**

Int. Cl. ? : E04C 5/16, 5/18

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
AU : E04C 5/16, 5/18

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
IPC (?) : E04C 5/16, 5/18

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
Derwent dwpi IPC marks alone.

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 09-228556 A (IWAMOTO) 2 September 1997. Derwent English language abstract, Accession no. 97-487248, Class Q44.	1,3,8
X	JP 11-100947 A (SHIRAKURA) 13 April 1999. Derwent English language abstract, Accession no. 99-297006, Class Q44.	1,3,8
X	JP 10-152941 A (SHIRAKURA) 9 June 1998. Derwent English language abstract, Accession no. 98-381646, Class Q44.	1,3,8
X	US 4127354 A (MIXON Jr) 28 November 1978. All document.	1,3,8
X	JP 08-158540 A (IWABUCHI KK) 18 June 1996. Derwent English language abstract, Accession no. 96-340146, Class Q44.	1,3,8
X	FR 2478707 A (STIC (SOCIETE TECHNIQUE D'INTERVENTIONS SUR CHANTIERS) 25 September 1981.	1,3,4,7,8

Further documents are listed in the continuation of Box C

See patent family annex

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"E" earlier application or patent but published on or after the international filing date

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"O" document referring to an oral disclosure, use, exhibition or other means

"&" document member of the same patent family

"P" document published prior to the international filing date but later than the priority date claimed

Date of the actual completion of the international search  
6 August 2004

Date of mailing of the international search report

12 AUG 2004

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	NZ 506962 A (BRODERICK) 31 May 2002. All document.	1,3,8
X	JP 08-246604 A (FUJITA KK) 24 September 1996. Derwent English language abstract, Accession no. 96-483007, Class Q44.	1,3,8
A	DE 3634568 A (VEIT DENNERT KG) 23 July 1987. All document.	1,2
A	JP 10-140670 A (SUMITOMO CONSTRUCTION CO LTD) 26 May 1998. See drawings	1,2
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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/AU2004/000815**

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
JP	9228556				
JP	11100947				
JP	10152941				
US	4127354	CA	1084294	DE	2844376
		GB	2006906	JP	54064810
JP	8158540				
FR	2478707				
NZ	506962				
JP	8246604				
DE	3634568				
JP	10140670				

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

**END OF ANNEX**